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PTO/SB/21/08-00

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Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/051,364
Filing Date	01/18/2002
First Named Inventor	Rikk Crill
Group Art Unit	2621
Examiner Name	Seyed H. Azarian
Attorney Docket Number	18897-018

Total Number of Pages in This Submission 1111

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## ENCLOSURES (check all that apply)

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><br><input checked="" type="checkbox"/> Fee Attached<br><br><input type="checkbox"/> Amendment / Response<br><br><input type="checkbox"/> After Final<br><br><input type="checkbox"/> Affidavits/declaration(s)<br><br><input type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Express Abandonment Request<br><br><input checked="" type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Response to Missing Parts/ Incomplete Application<br><br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Assignment Papers (for an Application)<br><br><input type="checkbox"/> Drawing(s)<br><br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition<br><br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Request for Refund<br><br><input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance Communication to Group<br><br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter<br><br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br><b>U.S. Cited Art - 48</b> |
|--|---|---|

Remarks

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## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name James R. Young Reg. No. 27,847

Signature

Date

11/25/02

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 11/25/02

Typed or printed name Peggy Nieto

Signature

Peggy Nieto

Date

11/25/02

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# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180

Complete if Known

Application Number 10/051,364  
Filing Date 01/18/2002  
First Named Inventor Rikk Crill  
Examiner Name Seyed H. Azarian  
Group / Art Unit 2621  
Attorney Docket No. 18897-018

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## METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit card ☐ Money ☐ Other ☐ None  
Order

☒ Deposit Account:

Deposit  
Account  
Number 03-1725

Deposit  
Account  
Name Faegre & Benson LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee  
to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	740	2001	370	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	510	2003	255	Plant filing fee	
1004	740	2004	370	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(\$ 0)

### 2. EXTRA CLAIM FEES

			Extra Claims		Fee from below		Fee Paid	
Total Claims	<input type="text"/>	-20 **	=	<input type="text" value="0"/>	X	<input type="text"/>	=	<input type="text" value="0"/>
Independent Claims	<input type="text"/>	-3 **	=	<input type="text" value="0"/>	X	<input type="text"/>	=	<input type="text" value="0"/>
Multiple Dependent					X	<input type="text"/>	=	<input type="text" value="0"/>

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 0)

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	400	2252	200	Extension for reply within second month	
1253	920	2253	460	Extension for reply within third month	
1254	1,440	2254	720	Extension for reply within fourth month	
1255	1,960	2255	980	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,280	2453	640	Petition to revive - unintentional	
1501	1,280	2501	640	Utility issue fee (or reissue)	
1502	460	2502	230	Design issue fee	
1503	620	2503	310	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (a)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	740	2809	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	740	2810	370	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	740	2801	370	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

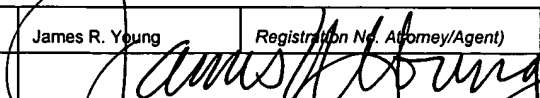
\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 180)

## SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	James R. Young	Registration No. Attorney/Agent	27,847	Telephone	303-546-1371
Signature				Date	11/25/02

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number	10/051,364
Filing Date	01/18/2002
First Named Inventor	Rick Crill
Group Art Unit	2621
Examiner Name	Seyed H. Azarian
Attorney Docket Number	18897/018

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	US-3,771,124	11-06-1973	McMahon	
	2	US-3,796,497	03-12-1974	Mathisen et al.	
	3	US-3,891,968	06-24-1975	McMahon	
	4	US- 4,218,623	08-19-1980	Utagawa	
	5	US-4,513,441	04-23-1985	Henshaw	
	6	US- 4,573,198	02-25-1986	Anderson	
	7	US-4,672,683	06-09-1987	Matsueda	
	8	US-4,950,050	08-21-1990	Pemick et al.	
	9	US-4,980,922	12-25-1990	Leib	
	10	US-5,119,443	06-02-1992	Javidi et al.	
	11	US-5,148,522	09-15-1992	Okazaki	
	12	US- 5,172,000	12-15-1992	Scheff et al.	
	13	US-5,173,954	12-22-1992	Kato et al.	
	14	US-5,220,622	06-15-1993	Scarr	
	15	US- 5,224,173	06-29-1993	Kuhns et al.	
	16	US- 5,257,322	10-26-1993	Matsuoka et al.	
	17	US- 5,267,332	10-30-1993	Walch et al.	
	18	US-5,309,522	05-03-1994	Dye	
	19	US- 5,309,523	05-03-1994	Iwaki et al.	
	20	US- 5,323,472	06-21-1994	Falk	

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**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

NOV 29 2002

(use as many sheets as necessary)

Sheet

42

3

3

**Complete if Known**

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Filing Date	01/18/2002
First Named Inventor	Rick Crill
Group Art Unit	2621
Examiner Name	Seyed H. Azarian
Attorney Docket Number	18897/018

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		Number - Kind Code <sup>2</sup> (if known)			
	21	US-5,327,286	07-05-1994	Sampsell et al.	
	22	US- 5,363,455	11-08-1994	Nishii et al.	
	23	US- 5,418,380	05-23-1995	Simon et al.	
	24	US-5,479,303	12-26-1995	Suzuki et al.	
	25	US- 5,515,453	05-07-1996	Hennessey et al.	
	26	US- 5,523,881	06-04-1996	Florence et al.	
	27	US-5,579,471	11-26-1996	Barber et al.	
	28	US-5,581,383	12-03-1996	Reichel et al.	
	29	US-5,659,637	08-19-1997	Bagley, Jr. et al.	
	30	US-5,699,449	12-16-1997	Javidi	
	31	US-5,729,704	03-17-1998	Stone et al.	
	32	US-5,761,330	06-02-1998	Stoianov et al.	
	33	US-5,761,655	06-02-1998	Hoffman	
	34	US-5,796,435	08-18-1998	Nonomura et al.	
	35	US-5,802,361	09-01-1998	Wang et al.	
	36	US-5,815,598	09-29-1998	Hara et al.	
	37	US-5,841,907	11-24-1998	Javidi et al.	
	38	US- 5,841,978	11-24-1998	Rhoads	
	39	US-5,867,600	02-02-1999	Hongu	
	40	US- 5,893,095	04-06-1999	Jain et al.	

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Date Considered

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitution for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <div style="text-align: center;">             NOV 29 2002            (use as many sheets as necessary)         </div>		<b>Complete if Known</b>	
		Application Number	10/051,364
		Filing Date	01/18/2002
		First Named Inventor	Rick Crill
		Group Art Unit	2621
		Examiner Name	Seyed H. Azarian
		Attorney Docket Number	18897/018
Sheet	3	of	3

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	46	EP 0 516 106 A2	12-02-1992	SEIKO INSTRUMENTS INC.		
	47	GB 2 312 535 A	10-29-1997	RODNEY CAMPBELL KERR: KERSEY MILL		
	48	WO 98/34180	08-06-1998	BRITISH TELECOMMUNIC ATIONS PUBLIC LIMITED COMPANY		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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